

ABSTRACT

A system for treating tissue includes first and second ablation devices each including a plurality of wire electrodes and coupled to a generator in parallel. In one embodiment, the generator includes first and second terminals coupled in parallel to one another, and the first and second ablation devices are connected to the first and second terminals, respectively. Alternatively, the first and second ablation devices are coupled to a single terminal of the generator using a "Y" cable. A ground electrode is coupled to the generator opposite the first and second ablation devices for monopolar operation. The first and second arrays of electrodes are inserted into first and second sites adjacent one another within a tissue region. Energy is simultaneously delivered to the first and second arrays to generate lesions at the first and second sites preferably such that the first and second lesions overlap.